

**METHOD FOR AIR FILTRATION MONITORING IN  
TELECOMMUNICATIONS EQUIPMENT RACKS**

- 5           A method and apparatus for automatically monitoring air filters in a telecommunication equipment rack is disclosed. One or more pressure switches are used to detect a pressure differential between air exiting the filter and a reference air pressure, such as the ambient air pressure in a telecommunications equipment facility. When a filter becomes contaminated,
- 10   the pressure of the air exiting the filter will drop relative to the reference air pressure. When the pressure drop relative to the reference air pressure crosses a threshold, a signal indicative of the need to replace or clean the filter in the equipment rack is generated.